

ENFIELD INLAND WETLAND & WATERCOURSES AGENCY

TUESDAY, MAY 4, 2010

*****REGULAR MEETING @ 7:00 PM*****

*****PUBLIC HEARING to follow (if applicable)*****

*****Council Chambers*****

**ENFIELD TOWN HALL
820 ENFIELD STREET
ENFIELD, CT**

INFORMATION PACKET

AGENDA
MEETING OF THE
ENFIELD INLAND WETLANDS AND WATERCOURSES AGENCY
TUESDAY, MAY 4, 2010 – **7:00 pm**
REGULAR MEETING

*******Council Chambers*******

***** ENFIELD TOWN HALL *****
*** 820 ENFIELD STREET***
** ENFIELD, CT 06082 **

REGULAR MEETING

1. Call to Order
2. Roll Call
3. Pledge of Allegiance
4. Executive Session
(Matters regarding specific employees, pending litigation, acquisition of real estate and / or matters exempt from disclosure requirements)
5. Public Hearing
 - a. **XIW-10-04 – Town of Enfield Public Works** – is requesting a permit to reconstruct and enlarge the South Maple Street Bridge over the Scantic River (Map 84, Lots 7, 12, 14 and 21). Submitted 3/3/10, received 3/16/10, PPE 3/30/10, **MPHCD 5/11/10**.
6. Call to Order of Regular Meeting
7. Public Participation - Issues of concern not on the agenda
8. Correspondence
9. Commissioner's Correspondence
 - a. Site Visit Updates
10. Approval of Minutes – April 15, 2010 & April 20, 2010
11. Wetlands Agent Report
12. Old Business
13. New Business
14. New Applications to be Received
 - a. Applications to be received after Town deadline for Agenda
15. Other Business
 - a. IWWA Fines Ordinance
 - b. IWWA Fee Schedule
 - c. IWWA Regulation Revisions
 - d. **Next regular meeting is Tuesday, May 18, 2010 at 7:00PM in the Council Chambers.**

16. Adjourn

Acronym Key for Dates:

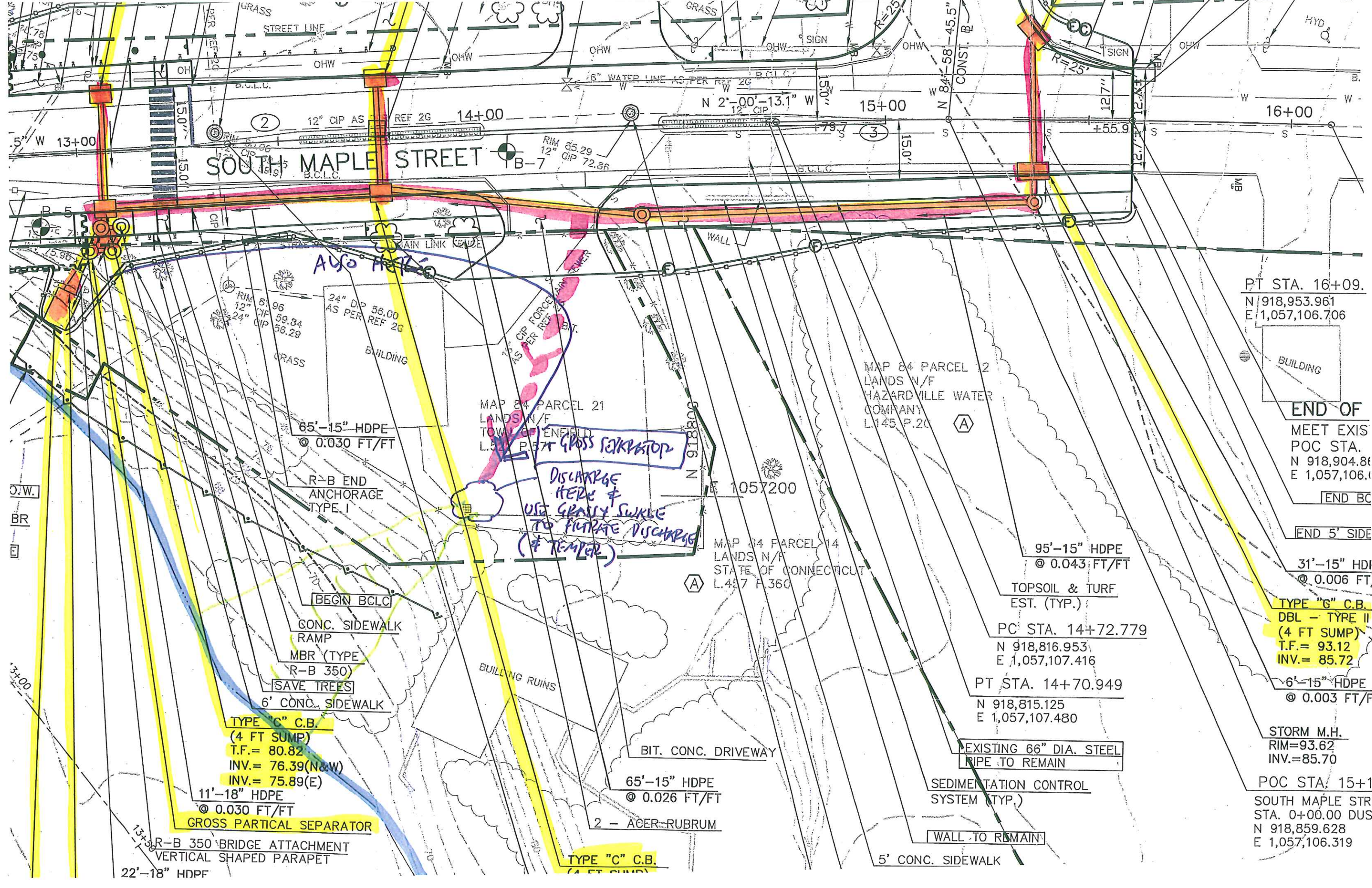
Submitted	= Day it was Logged in by the Appropriate Town Office.
Rec'd	= Received (Date of First Regular Meeting after the day of submission or 35 days, which ever is sooner)
PPE	= Petition Period Ends (14 Days from Receipt)
MAD	= Mandatory Action Date (65 Days from Receipt)
EMAD	= Extended Mandatory Action Date (Any combination up to 65 days from original MAD)
MPHCD	= Mandatory Public Hearing Closing Date (35 Days from opening of the public hearing)
EMPHCD	= Extended Mandatory Public Hearing Closing Date (Any combination up to 65 Days from first MPHCD)
MPHAD	= Mandatory Public Hearing Action Date (35 Days after close of the public hearing)
EMPHAD	= Extended Mandatory Public Hearing Action Date (Any combination up to 65 Days from first MPHAD)

*Applicant can consent to extend the time frame for any of the steps but the total of all extensions together cannot exceed 65 days

PUBLIC HEARING

XIW-10-04 Town of Enfield Public Works

SOUTH MAPLE STREET



PT STA. 16+09.
N 918,953.961
E 1,057,106.706

END OF
MEET EXIS
POC STA.
N 918,904.86
E 1,057,106.0

END 5' SIDE
31'-15" HDPE
@ 0.006 FT/FT

TYPE "G" C.B.
DBL - TYPE II
(4 FT SUMP)
T.F. = 93.12
INV. = 85.72

6'-15" HDPE
@ 0.003 FT/FT
STORM M.H.
RIM=93.62
INV.=85.70

POC STA. 15+1
SOUTH MAPLE STREET
STA. 0+00.00 DUS
N 918,859.628
E 1,057,106.319

95'-15" HDPE
@ 0.043 FT/FT
TOPSOIL & TURF
EST. (TYP.)

PC STA. 14+72.779
N 918,816.953
E 1,057,107.416
PT STA. 14+70.949
N 918,815.125
E 1,057,107.480

EXISTING 66" DIA. STEEL
PIPE TO REMAIN

SEDIMENTATION CONTROL
SYSTEM (TYP.)

WALL TO REMAIN

5' CONC. SIDEWALK

65'-15" HDPE
@ 0.026 FT/FT

2 - ACER-RUBRUM

TYPE "C" C.B.
(4 FT SUMP)

DISCHARGE
HERE &
USE GRASSY SWALE
TO FILTER DISCHARGE
(& TEMPER)

65'-15" HDPE
@ 0.030 FT/FT

R-B END
ANCHORAGE
TYPE I

BEGIN BCLC

CONC. SIDEWALK
RAMP

MBR (TYPE
R-B 350)

SAVE TREES

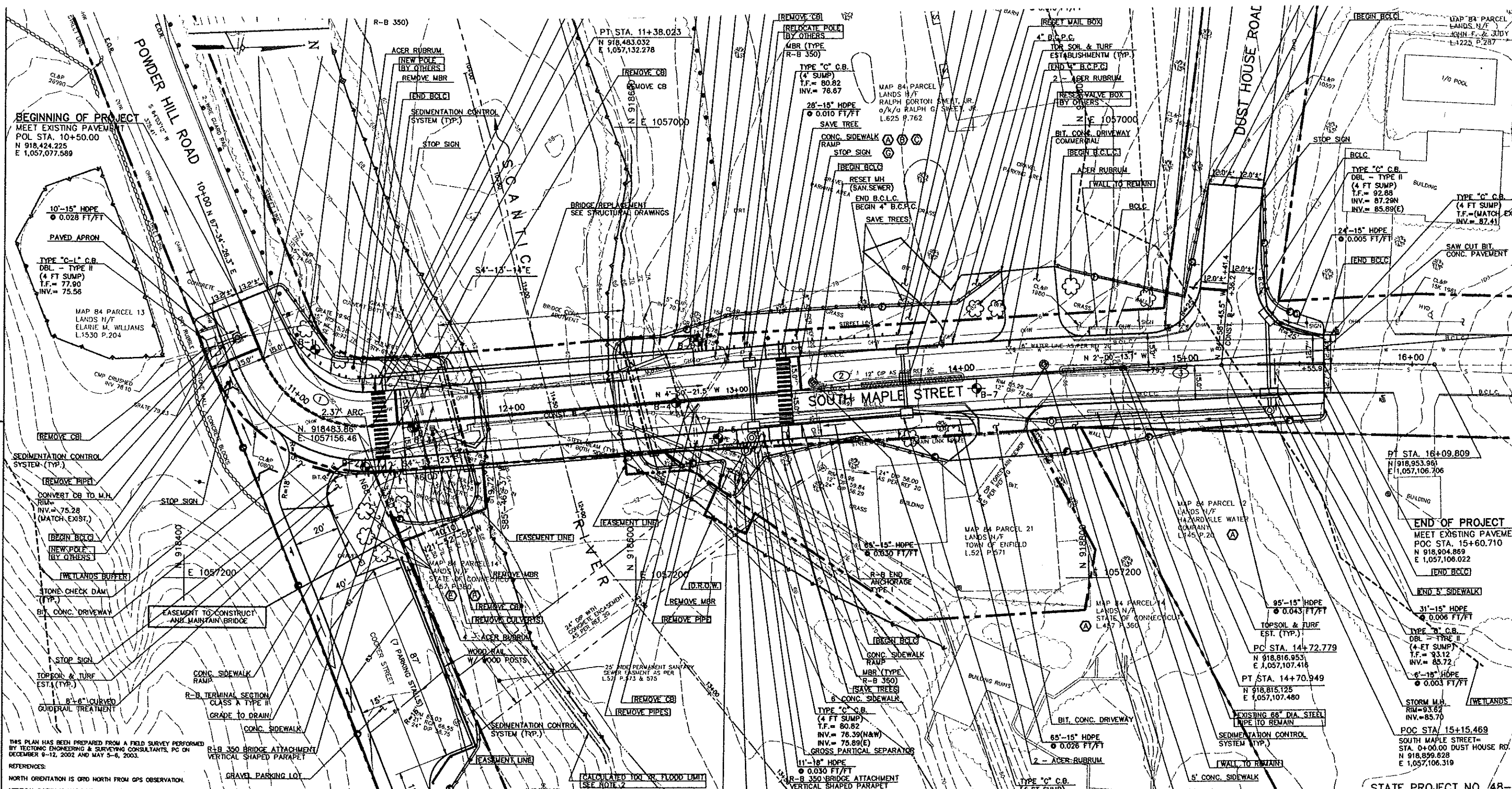
6' CONC. SIDEWALK

TYPE "C" C.B.
(4 FT SUMP)
T.F. = 80.82
INV. = 76.39(N&W)
INV. = 75.89(E)

11'-18" HDPE
@ 0.030 FT/FT
GROSS PARTIAL SEPARATOR

R-B 350 BRIDGE ATTACHMENT
VERTICAL SHAPED PARAPET

22'-18" HDPE



NOTES:

- ALL CATCH BASINS SHALL HAVE 4 FT. SUMPS.
- FLOOD PLAIN LIMIT SHOWN IS BASED ON HYDRAULIC REPORT PREPARED BY TECTONIC ENGINEERING FOR THIS PROJECT (DATED XX-XX-XX) AND DOES NOT REPRESENT THE FEMA FLOOD LIMITS.
- FOR AQUIFER PROTECTION NOTES DRAWING TYP-1.
- THE CONTRACTOR SHALL COORDINATE AS EARLY AS POSSIBLE WITH CL&P, AT&T AND COXCOM FOR THEIR RELOCATION WORK.

LEGEND

2 1/2" CAL ACER RUBRUM (BALLED AND BULPAR)

THIS DOCUMENT IS PREPARED SPECIFICALLY FOR THE CLIENT AND PROJECT DESIGNATED HEREON. MODIFICATION, ALTERATION, REVISION, DUPLICATION, OR USE WITHOUT THE CONSENT OF TECTONIC ENGINEERING & SURVEYING CONSULTANTS, P.C. IS PROHIBITED. COPYRIGHT 2003 TECTONIC ENGINEERING & SURVEYING CONSULTANTS, P.C. ALL RIGHTS RESERVED.

COPIES OF THIS DOCUMENT WITHOUT A FACSIMILE OF THE SIGNATURE AND AN ORIGINAL EMBOSSED SEAL OR ORIGINAL STAMP IN BLUE OR RED INK OF THE PROFESSIONAL ENGINEER OR LAND SURVEYOR SHALL NOT BE CONSIDERED VALID COPIES.

0 1 2 3
ORIGINAL SIZE IN INCHES

RECEIVED

APR 20 2010

CONSTRUCTION PLAN

TOWN OF ENFIELD
REPLACEMENT OF THE SOUTH
MAPLE STREET BRIDGE
OVER SCANTIC RIVER

Date: 4-19-10
Scale: 1"=20'

Work Order: 2833.00
Drawing No.: CON-1

TECTONIC

Tectonic Engineering & Surveying Consultants P.C.
1344 State Route Highway, Suite 500
Rocky Hill, CT 06067

Phone: (860) 883-2100
Fax: (860) 887-4444
www.tectoniceengineering.com

INLAND WETLANDS AND WATERCOURSES AGENCY

Certified Mail: XXXXXXXXXXXXXXXX

WETLANDS PERMIT #XIW -10-04

May 5, 2010

Town of Enfield – Public Works
40 Moody Road
Enfield, CT 06082

Town of Enfield,

At a regular meeting held May 4, 2010, the Enfield Inland Wetlands and Watercourses Agency took the following action:

XIW-10-04 – Town of Enfield Public Works – is requesting a permit to reconstruct and enlarge the South Maple Street Bridge over the Scantic River (Map 84, Lots 7, 12, 14 and 21). **Approved with conditions.**

The permit is issued subject to the following conditions:

STANDARD CONDITIONS

Prior to the start of construction:

1. The Inland Wetlands and Watercourses Agency or its designated Agent must be notified in writing within two business days of the commencement of permitted activities, and upon completion of said activities; a “business day” is a day when the Town Hall is open for business.
2. Prior to the start of construction or, if applicable, the issuance of a building permit the half-sized (approximately 11” x 17”) plans as approved by the Agency and the Planning and Zoning Commission shall be submitted to the Inland Wetlands Agent;
3. If the project requires that materials be removed from the site, the Inland Wetlands and Watercourses Agency or its designated Agent must be notified in writing within two business days of the commencement of permitted activities of where the removed materials will be deposited.
4. The permittee/contractor shall schedule a pre-construction meeting with the Inland Wetlands Agent to be held no sooner than two weeks before the regulated activities are to begin. The permittee shall, at that time, review with the Inland Wetlands Agent, the procedures to be taken to protect the regulated areas prior to and during construction;

General Conditions of Approval:

5. This permit shall be valid for 5 years from the date of approval unless otherwise revoked or specifically extended;
6. All work and all regulated activities conducted pursuant to this permit shall be consistent with these terms and conditions hereof. Any structures, excavation, fill, obstruction, encroachments or regulated activities

not specifically identified and authorized herein shall constitute a violation of this permit and may result in its modification, suspension, or revocation. Upon initiation of the activities authorized herein, the permittee thereby accepts and agrees to comply with the terms and conditions hereof;

7. This permit is not transferable without the written consent of the Enfield Inland Wetlands and Watercourses Agency **or its designated Agent**;
8. In issuing this permit, the Agency has relied on information provided by the applicant and, if such information subsequently proves to be false, deceptive, incomplete and/or inaccurate this permit shall be modified, suspended or revoked;
9. This permit shall be made a part of all construction contracts and sub-contracts pertaining to the proposed regulated activities and shall supersede all other contract requirements;
10. The permittee shall permit the Agency, its authorized representative(s) or designee(s) to make periodic inspections at any time deemed necessary in order to assure that the activity being performed under authority of this permit is in accordance with the terms and conditions prescribed herein;
11. No equipment or material including without limitation, fill, construction materials, or debris, shall be deposited, placed, or stored in any wetland or watercourse on or off site unless specifically authorized by this permit;
12. This permit is subject to and does not derogate any present or future property rights or other rights or powers of the Town of Enfield, and conveys no property rights or in real estate of material nor any exclusive privileges, and is further subject to any and all public and private rights and to any activity affected hereby;
13. Prior to the start of construction, adequate erosion and sedimentation control measures shall be implemented, and shall be maintained throughout the entire construction phase and shall meet or exceed the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control, as revised, until the site has become stabilized with permanent vegetative cover. The construction site shall be left in a stable condition at the close of each day. An adequate stockpile of erosion control materials shall be on site at all times for emergency or routine replacement and shall include materials to repair silt fences, haybales, mulch, stone-riprap filter dikes or any other devices planned for use during construction. Additional erosion/stormwater control measures are to be installed as directed by the Inland Wetland Agency, its authorized representative(s) or designee(s) if field conditions necessitate. The permittee shall immediately inform the Department of Planning and Community Development of any problems involving wetlands or watercourses which have developed in the course of, or which are caused by, the authorized work;
14. All temporary barriers, including erosion and sedimentation controls are to be removed when the site is stabilized in suitable weather conditions. The site is considered stabilized when there is equal to or greater than 70% vegetative cover;
15. With the exception of the addition of the items stated in these conditions, this application is approved in accordance with the plans entitled:

"Town of Enfield Construction Plans for Replacement of Bridge No. 03972 South Maple Street Over Scantic River from Sta. 10+50.00 to Sta. 15+60.71 Length 510.71 Feet, prepared by Tectonic Engineering & Surveying Consultants P.C., dated 4/9/10, received 4/13/10.

List of Drawings	
Sheet No.	Title
1	Title Sheet
2-3	Detailed Estimate Sheet
4	Typical Sections
5	Miscellaneous Details
6	Roadway Plan
7	Profile
8	Signing and Pavement Marking Plan
9	Detour Plan
10-13	Roadway Cross Sections
14	General Plan No. 1
15	General Plan No. 2
16-18	Boring Logs
19-22	Abutments & Wingwalls
23	Substructure Details
24	Framing Plan
25-27	Beam Details
28	Beam Rail Attachment
29-30	Metal Bridge Rail Details
31	Water Handling Plan
A-1	Utility Plan (CL&P)
	Highway Guide Sheets
	Highway Standard Sheets
	Traffic Engineering Guide Sheets
	Traffic Engineering Standard Sheets

Any changes that would potentially cause greater impact to wetlands or watercourses, such as enlargement of the area of disturbance or reorientation of building footprints, from the plans shall require the permittee to come before the Enfield Inland Wetlands and Watercourses Agency for a Determination of Permit Need (Jurisdictional Ruling) or Permit Modification.

16. A copy of the As-Built plan with the topography certified to T2 accuracy shall be submitted to the Agency **or its designated Agent** upon completion of the project to ensure compliance with this approval. In addition an electronic copy of the As-Built plan shall be submitted in accordance with the "Town of Enfield, CT Geographic Information Systems Electronic Submittals Ordinance".
17. The Inland Wetlands and Watercourses Permit number shall be located on all future plans to any Town or State Agency.

Special Conditions of Approval:

18. The outfalls must be constructed and stabilized prior to any dewatering activities. The outflow from the dewater operations shall be directed to these outfalls in such a manner to preclude causing erosion and the transport of sediment.
19. All water to be discharged from the construction activities must be discharged free of chemicals and sediment to an upland area that is armored so that erosion does not occur.

20. In accordance with Section 18.2 of the Inland Wetlands and Watercourses Regulations most recently revised in February 2005 an independent inspector who is a Certified Professional in Erosion and Sedimentation Control (CPESC) or equivalent with a knowledge base in wetland science shall be hired by the Town of Enfield at a reasonable cost and paid for by the applicant to conduct inspections every other week for the Town of all erosion and sediment control measures and report their findings to the IWWA every other week. Inspections shall be conducted every other week during active construction and every three weeks when construction is inactive and soils remain exposed. Inspections shall be completed after each rain event of greater than 0.5" as determined by NOAA nearest rainfall gauge. The content and presentation of the weekly reports shall be reviewed and approved by the IWWA Agent prior to the start of any construction activities. The independent inspector shall be contracted with prior to the start of work. Payment for approximate three months of inspection shall be forwarded to the Town by the applicant for future payment of services prior to the start of construction. Funds shall be replenished prior to the balance dropping below the estimated cost for one inspection.
21. The following shall be included in the permit specifications for the contractor's knowledge.

NOTICE TO CONTRACTOR – PERMITS/PERMIT APPLICATION

The Contractor is hereby notified that all permit and permit applications contained herein and required shall be made part of this Contract, and that the Contractor shall be bound to comply with all requirements of such permits and permit applications as though the Contractor were the permittee. If at the time the permit is received its contents differ from that which is outlined in the application, the permit shall govern. Should the permit be received after the receipt of bids and the permit requirements significantly change the character of the work, adjustments will be made to the contract in accordance with the appropriate articles in Section 1.04. The requirements and conditions set forth in the permit application shall be binding on the Contractor just as any other specifications would be. Contractor to abide by construction staging plans and water handling information provided. Any proposed changes must be approved by Controlling Authority.

The following permits are required or may be required for this project:

- Town of Enfield Inlands Wetlands
- Flood Management Certificate
- Army Corps Certification
- General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities
- Town of Enfield Aquifer Protection Area Permit
- Town of Enfield Building Permit
- Oversize/Overweight Vehicle Permits
- This list is for information purposes only as other permits may be necessary.

NOTICE TO CONTRACTOR – CONSTRUCTION SEQUENCE

The Contractor is hereby notified that the protection of the environment is paramount to the success of this project. The contractor shall adhere to the following sequencing unless specifically authorized by the Engineer:

1. The Contractor shall attend the preconstruction meeting as directed by the Engineer.
2. Prior to any tree cutting, the Contractor shall schedule and attend a tree cutting meeting with Town Staff and the Engineer and Design Engineer. Prior to this meeting the Contractor shall

- mark each tree to be removed or trimmed. In addition, the slope limits shall be identified. The meeting shall be held at the project site.
3. Install sedimentation control fencing and at the slope limits as shown on the plans or as directed by the Engineer. Install other controls as necessary.
 4. Establish staging areas and protective fences as approved and directed.
 5. Clear and Grub the site. Dispose of stumps and debris in accordance with applicable regulations. Strip and stockpile topsoil from all disturbed areas for future reuse.
 6. Install the drainage outlet preformed scour hole as shown on the plans for later use during dewatering activities.
 7. Install debris containment measures to prevent bridge demolition materials from falling into the River and wetland areas. The debris containment measures shall be designed by the Contractor based on his demolition methods. The proposed containment measures shall be approved by the Engineer. The Engineer may require modifications, repairs and/or additional measures.
 8. Remove existing bridge superstructure.
 9. Install turbidity curtains as shown on the plans.
 10. Construct temporary sedimentation basins and/or other water handling features. These features shall be designed and located to accommodate the Contractor operations and activities.
 11. Install Cofferdams and temporary shoring as needed to isolate the work areas and protect the excavation.
 12. Remove existing abutments and wingwalls then perform excavation to the line and grade shown on the plans. Natural streambed material shall be stockpiled as directed for reuse.
 13. Construct the footings in the dry.
 14. Construct the abutments and wingwalls then backfill as needed, including the placement of riprap and streambed materials. Grade and stabilize slopes per plan or as directed by the Engineer.
 15. Remove cofferdams then turbidity curtains.
 16. Install bridge superstructure, approach slab and finish roadway and drainage.
 17. Place topsoil and establish grass and install plantings.
 18. Inspect and clean drainage system and outlets.
 19. Remove temporary sedimentation control fences and other measures once all disturbed areas are stabilized.

The Contractor shall maintain and adjustment the temporary controls to ensure proper performance to protect the environment. The sediment controls shall be carefully inspected prior to any storm event. For large events, periodic inspection during the event may be required as directed by the Engineer. The Contractor shall repair, modify or supplement the systems as necessary and directed.

NOTICE TO CONTRACTOR – STAGING AREAS

The Contractor is hereby notified that areas available for staging, storage and stockpiling of materials, tools and equipment are limited. For the purposes of this specification "Staging Area" shall include any area used to store materials, stockpiling and equipment for longer than 3 calendar days. The Contractor shall adhere to the following in utilizing the available areas:

1. No staging areas shall be permitted within the limits of the floodplain as identified on Flood Insurance Rate Mapping of the Town.
2. Stockpiles of earth materials shall be temporarily stabilized and contained within sedimentation control fence or covered to prevent erosion and sediment transport from rain and surface flow.
3. No staging areas shall be within any wetland limits.
4. Concrete washout shall not occur within 50 feet of a regulated area or within the 200 foot buffer area without written approval from the Engineer. Generally, concrete washout shall be positively controlled and contained to prevent contamination from entering any regulated area.

5. The worksite shall be kept clean at all times to prevent litter and other debris from entering the regulated wetlands and floodplain areas. At least two trash receptacles shall be provided and periodically emptied.
6. Pedestrian access to the adjacent park shall be provided at all times unless specifically authorized by the Town in writing. At a minimum a smooth 4 foot wide path shall be provided from Powder Hill Road with appropriate way finding signs installed. The path shall be physically separated from the contractors operations and staging area with a temporary fence.
7. Access to private properties shall be maintained unless authorized in writing.
8. The project is located within an Aquifer Protection Area subject to Level "A" Mapping regulations. The contractor shall adhere to the "Aquifer Protection Area Regulations of the Town of Enfield". The Contract may be required to register, provide Registration Fee(s) and post a Bond as part of this requirement.
9. Any Staging Area used shall be returned to the original condition unless specifically directed or authorized in writing.
10. The Contractor shall have a Spill Kit available on site for immediate use. The Spill Kit shall contain the following minimum items:
 - o NS® Spill Control, 55 Gallon Universal Sorbent Wheeled Overpack Spill Kit, 50 Gal. Capacity or approved Equal
 - (10)–3" x 48" socks
 - (4)–3" x 10' socks
 - (50)–15" x 17" pads
 - (4)–pillows
 - (50)–wipers
 - (5)–disposal bags and ties
 - (5)–tamperproof seals
 - (2)–pair nitrile gloves
 - (1)–emergency response guidebook
11. The Contractor shall conform to the 2002 CT E&S Guidelines or as directed by the engineer.

The cost of adhering to these requirements shall not be measured for payment but shall be included in the general cost of the project.

NOTE: This permit does not relieve the applicant from his responsibility to apply for any other permits required by local, state or federal agencies.

This authorization constitutes the permit required by Section 22a-39 of the Connecticut General Statutes. The decision legal notice will be published in the Journal Inquirer on **XXXXXXXXXXXX, 2010**. Please note that the appeal period (15 days) begins as of the date of publication in accordance with Sec. 22a-43 of the State Statutes.

Issuance of the Inland Wetlands and Watercourses Agency permit does not abrogate the responsibility to obtain permits that may be necessary from other agencies at the local, state or federal level prior to commencing your project.

Should you have any questions regarding the contents of this letter, please feel free to contact me at 253-6358.

Sincerely,

Katie A. Bednaz
Assistant Town Planner/Wetlands Agent

cc. José Giner, Director of Planning
XIW#10-04 File

CORRESPONDENCE

APPROVAL OF MINUTES

April 15, 2010 & April 20, 2010

Inland Wetlands and Watercourses Meeting
INLAND WETLANDS AND WATERCOURSES AGENCY
MINUTES OF A SPECIAL MEETING
THURSDAY, April 15, 2010

A Special Meeting of the Enfield Inland Wetlands and Watercourses Agency was held on Thursday, April 15, 2010 in the Thompsonville Room, Enfield Town Hall, 820 Enfield Street, Enfield, Connecticut.

MEMBERS PRESENT: Joseph Albert
Patrick Szczesiul, Alternate

MEMBERS ABSENT: Douglas Maxellon, Chairman
Karen Camidge
Maryann Abar, Alternate
Robert Lemay
Jo-Marie Nelson
Brian Peruta
Robie Staples

ALSO PRESENT: Katie Bednaz, Wetlands Agent
Susan Berube, Recording Secretary

Call To Order: Agents Albert and Szczesiul were present. Also present were Katie Bednaz, Wetlands Agent and Susan Berube, Recording Secretary.

Due to a lack of quorum, at 7:30 p.m., by unanimous consent the Special Meeting to discuss the IWWA Regulations was canceled.

Respectfully Submitted,

Jo-Marie Nelson, Secretary

Inland Wetlands and Watercourses Meeting
INLAND WETLANDS AND WATERCOURSES AGENCY
MINUTES OF A REGULAR MEETING
TUESDAY, April 20, 2010

A Regular Meeting of the Enfield Inland Wetlands and Watercourses Agency was held on Tuesday, April 20, 2010 in the Council Chambers, Enfield Town Hall, 820 Enfield Street, Enfield, Connecticut.

MEMBERS PRESENT: Douglas Maxellon, Chairman
Karen Camidge
Joseph Albert
Jo-Marie Nelson
Brian Peruta
Patrick Szczesiul, Alternate (7:08 p.m.)
(seated)

MEMBERS ABSENT: Maryann Abar, Alternate
Robert Lemay
Robie Staples

ALSO PRESENT: Katie Bednaz, Wetlands Agent
Susan Berube, Recording Secretary

REGULAR MEETING

1. Call to Order: The meeting was called to order by Chairman Douglas Maxellon at 7:00 p.m.

2. Roll Call: Present were: Chairman Maxellon and Agents Albert, Camidge, Nelson, Peruta, Szczesiul (7:08 p.m.)

3. Pledge of Allegiance: The Pledge of Allegiance was recited.

4. Executive Session
(Matters regarding specific employees, pending litigation, acquisition of real estate and / or matters exempt from disclosure requirements): None.

5. Public Hearing

a. **XIW-10-04 – Town of Enfield Public Works** – is requesting a permit to reconstruct and enlarge the South Maple Street Bridge over the Scantic River (Map 84, Lots 7, 12, 14 and 21). Submitted 3/3/10, received 3/16/10, PPE 3/30/10, **MAD 5/20/10:** Piya Hawkes, Public Works Director and Jeff Scala, P.E. represented the applicant.

Mr. Scala stated that updated specifications and drainage revisions based on staff

and IWWA members' comments have been provided to Ms. Bednaz.

Minor modifications to the parking lot have been made. It has been moved east by 25' and remains in the regulated area.

Mr. Hawkes has provided proof of certified letters sent to abutting owners.

Ms. Bednaz noted that one of the changes to the plans is that the outfall located to the south of the bridge will no longer be reconstructed.

Mr. Scala explained that because it lies on private property, the reconstruction would require an easement to CT Water Company, likely delaying the project significantly.

Ms. Bednaz also noted that draft condition of approval #18 has been modified to reduce the chance of erosion and transport of sediment to the river.

She noted that the draft conditions also includes notice to contractors regarding the construction sequence and staging areas.

Agent Nelson stated that although she was not at the meeting of 04/06/10, she did review the video tape and read the minutes of the meeting.

Agent Peruta asked about the requirement for inspections. He would like to have someone on site at least twice per month, as will be done for the South Road project.

Chairman Maxellon expressed his concern over erosion and the resulting sand crossing the road.

He noted that a retaining wall is shown on page 6 of the plans but he did not find it in the field. Is it going to be built? This would likely solve the problem.

Mr. Scala stated that the survey is 5 years old. The plans reflect what was in the field at that time.

Chairman Maxellon stated that his concern is that the new catch basin will catch all of the sand and send it into the river. He wondered if the retaining wall could be rebuilt or perhaps, even have a high curb installed.

Mr. Scala responded that the wall is located on private property. The long term solution would be to request that the owner fix the wall or for the Town to acquire the property and fix the wall.

Chairman Maxellon was under the impression, based on the small version set of plans that he had, that the property line is located on the other side of the wall, making the wall on Town owned property.

Mr. Scala approached the table and showed members where the property line is located. The wall is on private property and the new catch basin will be located right on the property line.

Agent Albert left the meeting at 7:12 p.m. and returned at 7:13 p.m.

Chairman Maxellon asked if the Agency has the authority to have this made a part of the project or require that the owner make repairs to the wall.

Ms. Bednaz stated that she feels it would be better not to incorporate this into the project. The owner should be responsible to correct the issue.

She went on to say that she can visit the owner and see if he or she would be willing to fix the wall on their own. If the sand is reaching the resource area, then it is a violation.

Mr. Scala noted that the existing catch basin is being replaced with one that includes a 4' sump, which will help filter out sand. A temporary silt fence can be installed during construction, which will also help.

Chairman Maxellon wondered if it would be o.k. to approach the property owner for permission to have the Town install an extra high curb, instead of the owner doing it. He feels that allowing the erosion to continue is defeating the purpose of the project.

Agency members then held discussion regarding the need for a condition of approval to address oversight and inspections.

Chairman Maxellon noted that the proposed inspection contractor, GN Square is a good company but they subcontract some of their work out to others.

Mr. Scala noted that verbiage could be added to the contract specifying the type and frequency of inspections to be done so that it would not cost the Town any additional funds.

Ms. Bednaz wondered how this could be considered an "independent" contractor, since the applicant is paying for it.

Mr. Scala stated that it was his understanding that the Agency is mostly concerned in having a qualified inspector, regardless of who is paying.

Mr. Hawkes stated that he will inform the D.O.T. of the IWWA's public hearing concerns and that the inspections are a condition of approval.

Chairman Maxellon noted that if Ms. Bednaz's position is not eliminated, the applicant can return to the IWWA to request removal of this requirement.

He also expressed his disappointment that the outfall will not be replaced, as

originally planned.

Mr. Hawkes stated that the land is owned by the CT Water Company and land acquisitions from utility companies normally take a long time. He will contact them regarding the acquisition. If it works out and is completed before the project is complete, the work could be done through a change order to the contract. If the acquisition takes place after project completion, the work will be done at a later date, by the Town.

Agent Szczesiul asked about the animal passage shelf.

Mr. Scala explained that it is shown on page 14 of the plans. The shelf is approximately 10' wide and will be placed just above the 2 year storm level, following the natural contours currently existing.

It will be constructed of rip rap with existing stream bed material on top of the rip rap.

Agent Albert left the meeting at 7:24 p.m. and returned at 7:27 p.m.

Ms. Bednaz noted that the rip rap is being extended to meet the edge of the bank at the outfall. This will mean additional impact of 10' of stone but is less impact than having more erosion. This could be added as a condition of approval.

Mr. Hawkes stated that he understands the Agency's concerns over erosion but does not want to set precedence. He is being directed to stay within the Town's right-of-way. If the Town fixes the erosion problem for the property owner, other residents will want the same privilege.

Chairman Maxellon countered that this is a unique situation. The sand is traveling across the road into the river. He is not requesting an elaborate fix.

He added that he feels part of the problem is the traffic going up the hill. He would like to approach the Town Engineer and perhaps Mr. Coppler, Town Manager regarding this matter.

At this time, the hearing was opened for public comment.

Ms. Gretchen Pfeifer-Hall of 4 Somers Road, Enfield and a member of the Enfield Conservation Commission (ECC) came forward to speak.

She noted that the set of plans provided to the ECC were small and very difficult to read.

She stated that her commission's concern is over the runoff and where it will go. She is concerned that the storm water will go into the river, without treatment. This is an historic, scenic area.

She noted that in the past, Enfield has participated in the annual stream bio-diversity inventory from 2003-2008 with samples taken from this area of the Scantic River. Collections are taken in October of each year.

This site meets the goals for aquatic life support but needs improvement. Ms. Pfeifer-Hall stated that the storm water separator and rip rap are a good start but she does not feel that they are enough.

She feels that a grassy swale filter would be beneficial to filter out salts, oils and fertilizers, as well as cool the water temperatures in the summer.

She suggested collecting discharge from the 4 upper catch basins and filter the water through an additional separator and then through a grassy swale.

She feels that the Town has an obligation to protect this area.

Chairman Maxellon asked Ms. Pfeifer-Hall to provide information on the stream biodiversity inventory.

Mr. Rex Geoffrey of 57 Highland View Drive, Somers, president of the Scantic River Association agreed with Ms. Pfeifer-Hall's comments. He wants to see the quality of water remain good and will continue watching as the project proceeds.

No one else in the audience came forward to speak at this time.

Mr. Scala stated that the new catch basins are designed to address sediment and nutrient pollution loading with the 4' sumps and gross particle separator.

The basins are to be inspected twice yearly and cleaned once each year.

He added that overland nutrient loads will not run into the catch basins any more.

Also, shade trees will be added along the roadway which will address the water temperature issue.

The catch basin that outfalls onto CT Water Company property will not be touched but one manhole will be added.

Ms. Pfeifer-Hall spoke again. She stated that the catch basin on the south side outlets to a swale. She assumes that sediment will accumulate in the swale and need constant maintenance – not an ideal situation.

Also, when the issue with CT Water Company is resolved, an additional permit will be required.

She also asked if the regulated area is shown on the map.

Mr. Scala showed the line on the map. The map is at 40 scale; 95% of the project

is within the regulated area.

Ms. Pfeifer-Hall also asked what feasible and prudent alternatives have been offered. She feels that there is room for her suggestion of swales. There is room near the parking lot for an additional separator and swale. Currently there is just a pipe spilling out onto rocks. She feels that there will still be salts and nutrients entering the river and that the applicant is still not addressing water quality renovation and water temperature accurately.

Mr. Scala explained that the existing pump house is located right at the edge of the embankment. He is unable to do anything per D.E.P.

He is unsure how much 50' would benefit the project. He did look at a water quality basin but with the underground sewer and water company pipes, he feels it is not feasible without spending a great deal more money.

Ms. Pfeifer-Hall noted that the area is all state-owned property. She is unsure of the value of the brick ruin building and suggested it be removed and the area used for water quality renovation.

She added that she understands that the bridge project has been needed, probably for decades. She can't say enough on the importance of this resource and that it is worth the extra effort to improve the water quality.

This is the Scantic River State Park – it's important.

Mr. Scala countered that this is not D.O.T. controlled – it is D.E.P. This could delay the project if the applicant were to try to get additional permitting and/or property.

It would be a physical challenge to move water to where Ms. Pfeifer-Hall suggests due to the elevation.

Ms. Bednaz reviewed the elevation of the catch basin, noting it at 75.89 and the grassy area at 81. Water would need to go up hill by 5'. There is not enough room for that and a retention area could not be built on a slope.

She wondered if it would be feasible to "daylight" water between the storm manholes on the east side of the road for water quality purposes.

Mr. Scala replied that it would require 2 or 3 contours added to the map and would end up in the flood plain.

Ms. Bednaz suggested trying to "daylight" the water for a portion of the trip to the river.

Chairman Maxellon suggested diverting water to the rear of the pump house.

Mr. Scala stated that the pipes are too far below the surface and would end up on

D.E.P. land and the applicant would need their permission.

Ms. Bednaz noted that if the Agency determines that this is not a feasible option, there is no need to investigate further. If the Agency determines that it is worth pursuing, they would need to know where the basin would end up – likely on D.E.P. land. It will need to be at least 2' deep.

Agent Peruta asked if the water quality will be better with the proposed treatment than it is now.

Mr. Scala replied that at this time, it has no water quality provisions, other than one 2' sump so the proposed project would definitely improve water quality.

Chairman Maxellon noted the difficulty in following the contours on these plans. He would like to see Ms. Pfeifer-Hall's suggestion shown on the plans to see if it would be feasible.

Ms. Pfeifer-Hall offered a full size copy of page 6 of the plans, highlighted in areas of concern and suggested alternatives. She feels it would be feasible to add a gross particle separator and water quality.

She added that the bridge has been there for 50 years. It is likely that the Agency has one shot at doing this right. The IWWA is charged with finding the best watercourse protection, not necessarily the cost.

Agent Peruta briefly left the meeting at 8:02 p.m. He returned at 8:04 p.m.

Ms. Pfeifer-Hall also reported that she has witnessed the Enfield D.P.W. staff shoveling debris from the bridge directly into the river. They are not likely to clean the catch basins regularly, either.

She believes that the Town should set the standard for private applications.

She added that because of the current economy, bids will likely come in low. The IWWA's charge is to get the best design, not the most cost effective.

Chairman Maxellon stated that the applicant's engineer needs to see a copy of the plan page submitted by Ms. Pfeifer-Hall.

Conditions of approval discussed earlier can be worked out with Mr. Hawkes.

Mr. Scala stated that the gross particle separator is designed to meet the 1" storm, regardless of how many catch basins it covers. He agreed to look at Ms. Pfeifer-Hall's and the ECC's proposal in depth.

Ms. Bednaz requested that the applicant respond to the proposed alternative be done in writing.

At 8:12 p.m., a motion was made by Agent Camidge and seconded by Agent Peruta to continue the public hearing on XIW-10-04 to the meeting of May 4, 2010.

Agent Szczesiul was seated by Chairman Maxellon.

Agent Albert asked if this proposal would hold up funding for the project.

Mr. Hawkes replied that the funding is already approved. The applicant wants to finish the project this year. He added that the bridge is to be inspected by D.O.T. this Friday. The weight limits may be reduced again or the bridge shut down.

Agent Nelson stated that she agrees with Mr. Hawkes regarding the possibility of setting precedence.

Vote was 6-0-0.

6. Call to Order of Regular Meeting: The regular meeting was called to order by Chairman Maxellon at 8:13 p.m. Present were: Chairman Maxellon and Agents Albert, Camidge, Nelson, Peruta, Szczesiul. Agent Szczesiul was seated for the regular meeting by Chairman Maxellon.

7. Public Participation - Issues of concern not on the agenda: Karen LaPlante, Chair of the Enfield Conservation Commission requested that IWWA referrals be provided to her commission regularly. She noted that she also does not receive referrals from the PZC.

The ECC meets only once per month so Ms. LaPlante stated that she understands that it would be difficult for her commission to review each application on time. She also noted the difficulty of making a proper review using only the small sets of plans that they have been able to obtain.

She noted that the ECC did not receive plans or notification for the recent South Road or Town Farm Road projects.

She requested that at least one full size set of plans be provided to the ECC so that members can point out things that the IWWA may not catch, especially after staffing levels are severely reduced in July.

Ms. Bednaz explained that she is unsure how to accomplish this more effectively. It should be in writing.

Other towns define when a review will be done by the Conservation Commission. She agreed that the more minds you have reviewing an application, the better the project will be.

She suggested creating written standards to make sure applications get to the ECC. They are an advisory board only but are charged to review applications. Perhaps they could set parameters so that certain types of applications go to them.

Ms. LaPlante stated that the ECC does not want to hold up the process but they need to be notified and given the ability to review applications.

Chairman Maxellon wondered if this could be incorporated into the policy reviews that are currently being done. He agreed that the ECC should be notified.

Agent Albert left the meeting at 8:22 p.m. and returned at 8:23 p.m.

Chairman Maxellon suggested that Ms. LaPlante have parameters put into the policy review.

Ms. Bednaz suggested looking at other towns and how they operate and deal with this issue.

Agent Camidge felt that it has to be spelled out to be fair to the applicants, also.

Agent Peruta suggested adding one more copy of the applicant's package requirement and pass it along to the ECC.

Ms. LaPlante stated that the ECC meets only once per month so they could not review every application. They don't want it to look like they are picking and choosing only certain applicants. They don't need a full presentation by the applicant and do not want to slow the process down.

In response to a question by the Agency regarding by-laws, she stated that the bylaws have nothing to do with this. The ECC does not want to review every pool or addition but there may be times when it would be good to have the developer come before the ECC. She noted that the town of Vernon has a very active Conservation Commission.

Chairman Maxellon felt that the criteria need to be defined. There should be guidelines and stressed the importance of staff needing to know when the ECC should be notified.

Ms. Pfeifer-Hall took the opportunity to express the importance of staff, noting specifically Mr. Alsbaugh and Ms. Bednaz.

8. Correspondence: The following items of correspondence were received:
 - a. "Conserving pool-breeding amphibians in human-dominated landscapes through local implementation of Best Development Practices" paper: Ms. Bednaz noted that this contains good guidance items for applicants to try to follow.
 - b. Giant Hogweed Handout
 - c. Norway Maple Handout
 - d. Plants Recommended for Wildlife
 - e. Agresource Handouts – Two Examples of Rain Gardens in New England

9. Commissioner's Correspondence: Ms. Bednaz stated that she will update the

projects list for the next meeting so that the new projects can be assigned to members.

a. Site Visit Updates: None.

10. Approval of Minutes – April 6, 2010: A motion was made by Agent Camidge and seconded by Agent Albert to approve the minutes of the meeting of 04/06/10 as presented. Vote was 5-0-1(Nelson).

11. Wetlands Agent Report: A brief verbal report was provided by Ms. Bednaz.

She noted that in general, she recommends the use of silt socks, not filter fabric to stop silt from entering catch basins during construction. Filter fabric is installed under the catch basin top and removal when full is difficult or impossible without allowing the silt to enter the catch basin.

She also reported that the stone has been put in place for the shed and the applicant has started plantings.

She explained that an IWWA member had reported that 52 Booth Road has a pipe coming from behind the house and discharging into the catch basin in the street. Upon investigation, Ms. Bednaz found that the homeowner is draining the wetland behind the house, to keep the water from entering the basement.

The homeowner is elderly and her daughter is looking into installing a larger basement pump to handle the flows. She has been given 2 weeks, at which time Ms. Bednaz will follow up.

Ms. Bednaz noted that she suggested that the owner or her daughter contact the CT Water Company, the abutting owner, to see if they can somehow help alleviate the problem.

Chairman Maxellon noted that the problem has been ongoing for years and is a safety issue in the winter because the water freezes on the road.

Ms. Bednaz also noted that she inspected the PetSmart site. The area needs attention; sediment is evident along the gutter to the catch basin. Grading can now be done, and grass can be planted which should help stabilize the area.

As required, the trash that was located along the wetlands line has been removed.

Agent Peruta asked if anyone has looked at Play Road recently.

Chairman Maxellon stated that he has not heard that anyone from the Town has been there recently.

Ms. Bednaz will check the site prior to the Agency's next meeting.

Agent Peruta requested an update on the list of erosion problems listed 2 or 3 years ago. He hasn't seen any of the listed problems fixed. He would like to have Mr. Hawkes meet with the IWWA to discuss the list.

Ms. Bednaz requested that Agent Peruta provide this request via email so that she can forward it to Mr. Hawkes.

12. Old Business: None.

13. New Business: None.

14. New Applications to be Received

a. Applications to be received after Town deadline for Agenda: None.

15. Other Business

a. IWWA Fines Ordinance

b. IWWA Fee Schedule

c. IWWA Regulation Revisions: A motion was made by Agent Albert and seconded by Agent Peruta to table discussion on agenda items 15a, 15b, and 15c. Vote was 6-0-0.

Agency members were reminded of the next special meeting, scheduled for Thursday, April 29, 2010.

d. Next regular meeting is Tuesday, May 4, 2010 at 7:00PM in the Council Chambers.

16. Adjourn: A motion was made by Agent Albert and seconded by Agent Camidge to adjourn the meeting at 8:53 p.m. Vote was 6-0-0.

Respectfully Submitted,

Jo-Marie Nelson, Secretary

WETLANDS AGENT REPORT

Memo

To: Enfield Inland Wetlands and Watercourses Agency
From: Katie Bednaz, Assistant Town Planner/Wetlands Agent
Date: April 29, 2010
Re: Wetlands Agent Report

Site Visits

33 Betty Road – Inspected water levels and observed that they are the lowest ever. The water levels are stream like.

Petsmart – No additional activity has been observed on the site since fall of 2009. Soils are migrating onto pavement and some has collected in the gutter adjacent to the catch basin. The catch basin is not currently protected. Contacted responsible party to convey concerns and discuss the intended re-mobilization date for completing the project. He responded that re-mobilization is intended for the week of 5/3/10.

Meadowlark Channel – The silt fence installed for the newest work off of Broadleaf Lane was overwhelmed. It appeared to be because of heavy flows, designed to enter the yard drain travel from one side of the fence to the other. A barrier control may not be effective in this area. The best control would be to achieve permanent stabilization. Engineering stated that the contract is scheduled to be out on the site later this week to regrade, loam, seed and install erosion control blankets in the areas with heavy flow or steep grades.

182 Broad Brook Road – Visited the Faith Baptist Church with Maurice Larosa a representative for the church, to discuss work that he wanted to conduct adjacent to the unnamed brook. Formally the line of clearing had been closer to the brook and they were looking to re-establish this area to "neaten it up" and return it to its former condition. I informed Maurice that buffers of natural vegetation adjacent to waterways are beneficial to the health of the waterway. He stated that he will rake the area and potentially cut a narrow strip of brush in one location for a sitting area. He stated that he may not need to cut any brush. In addition, there is an area where the brook bends towards the parking lot. I had strongly recommended that no woody vegetation be removed from this area to aid in preventing erosion and related issues. I had recommended that this area be planted with deep rooting shrubs to further armor the bank against erosion. He stated that he will contact me prior to any woody vegetation being removed.

35 Kalish – Received a complaint from a neighbor that drainage work was being conducted at 35 Kalish. Visited the site and observed that the property owner was repairing the existing crushed drainage pipe, work was almost complete. There was

no change to the outlet and work is located downstream of the adjacent wetland resource area. This work would fall within Section 4.1.d. of the IWWR and no permit is required.

52 Booth Road – Responded to a complaint and observed that the small isolated wetland behind a single-family house was being dewatered to a catch basin in the street. Spoke with gentleman who maintains the property who stated that this is done to prevent water from entering the basement. Town files indicate that this has been occurring for approximately 5 years or more. Spoke with daughter of owner regarding the issue. She stated that she will research resolving this issue and will update me within a reasonable timeframe. She understands that pumping a wetland is considered a violation of the IWWR if a permit is not first obtained.

Aldi's (Hazard Ave) – Site contractor and I met at site to review erosion control, stockpile, dewatering and other locations prior to work commencing. Work is scheduled to commence shortly and the project start notification has been submitted.

201 State Street – Visited site in response to owner, Richard Lanagan calling to inform me that he has started work. Observed that the shed has been placed in the appropriate location and 9 trees and shrubs have been planted within the conservation area. The owner and I also discussed the appropriate time period and method for removing the sediment that has accumulated in the wetland.

South Maple Street Bridge – Site inspection to review the areas currently experiencing erosion. The area closest to the catch basin located on the south side of the bridge adjacent to the park parking area was reviewed. Please see photos below. It appears that by removing the accumulated sediment, stabilizing the trail and adding water bars to the trail may resolve the issue. The erosion issue further south on Powder Mill Road appears to be due to stormwater flows. There are no catch basins located in this area and it appears that the flows are causing erosion. The remedy for this issue should be further evaluated by the Engineering Department and Public Works.



Above: Picture of trail and nearby catch basin adjacent to State Park parking area.

Play Road/Sun Street – The slopes repaired appear to be holding well and permanent vegetation is becoming established (1). The slope between the last catch basin and the outfall is slumping where the erosion control blanket is no longer in contact with the soil (3). The two plunge pools, one just after the outfall and the second at the end of the project have a significant amount of accumulated sediment within them (2 & 4). The sediment appears to be due to the slumping of the un-repaired side slopes (2). Please see photographs below. Engineering is currently working on a design to stabilize the remainder of the channel that is owned by the Town.



1



2



3



4



5

Photographs are shown in order from left to right traveling downstream.

604 Enfield Street – Inspected site and observed that the project remains to be completed and there are multiple items to be addressed. Silt fence is down in a few locations, top soil has not been applied and seed is sparsely germinating in the subsoil, landscaping is not installed and one of the outfalls is failing. Meeting with the property owner and John Cabibbo, TOE Assistant Engineer to discuss these issues. Please see pictures below.



Above: Left picture shows outfall that is failing, down silt fence and accumulated sediment in wetland as a result of the failure. Right picture shows lack of topsoil causing sparse permanent stabilization, down silt fence and location where shrubs are proposed to be installed.

33 Jewels Street – Met with homeowner who is concerned about the stream in his backyard flooding and the appearance of the natural area. We discussed options for aesthetic improvements that are also environmentally compatible. He stated that he will contact/consult me prior to starting work on the property.

10 Bess Road – The property owner came in to the office because the company that was to drop-off a load of fill stated that he would not drop the fill without a permit or letter from IWWA stating that it was acceptable. The applicant had subsequently gotten information from the clerk in the building department that no permits were required to fill/level off his yard because he was "grandfathered". He then started clearing trees (approximately 10) within the wetland area to prepare for the fill. I visited the site and observed that a permit is required for the fill and it may not be permissible for him to do the most extensive option. As it currently stands, he has chosen to not put fill in the wetland but in the upland review area. He is currently preparing a permit.

19 Bess Road – As with 10 Bess, the owners at 19 Bess would like to bring fill into their backyard because it is water logged following rain events. Their entire back yard is maintained lawn. Their proposal would require fill in wetlands as the lawn area soils qualify as wetland soils. Furthermore, it was observed that 21 Bess Road has placed fill in their back yard yesterday, it also appears that they have cleared trees. It appears that the work at 21 Bess Road may have been done without a permit, if a permit is required. I am further researching both properties.